County, Indiana. Found only on gravel bars in swiftly running water.

Fourteen specimens were collected by the author in August, 1901, while working for the Indiana State Geological Survey.

The smaller of the two type specimens (figured a little enlarged on pl. II) is in the Indiana State Museum, the other in the author's cabinet. Soft parts in the U. S. National Museum.

I am under obligations to Mr. C. T. Simpson for assistance in preparing the description of the soft parts.

The species is closely allied to *L. leptodon* Raf., particularly in its anatomical characteristics; the shell differs from that species by not having the wing and by the posterior end being rounded and in the full-grown shell being not more than one-half the size.

The two small shells found at Hardy, Ark., by Mr. J. H. Ferriss, by him referred to *L. simpsoni* (NAUTILUS, Aug., 1900, page 39), are without doubt this species.

Mr. C. T. Simpson informs me that Mr. Paul Bartsch of the National Museum believes he has found the same species in the Iowa River at Iowa City, Iowa.

I take pleasure in naming this species in honor of Prof. W. S. Blatchley, State Geologist of Indiana.

NEW ENGLAND MARINE COLLECTING.

BY REV. HENRY W. WINKLEY.

Occasional letters ask the following questions: "Can I stock up duplicates by a week or two in New England? Where is the best place to collect?" An answer to all may be made by narrating my own experience. During fifteen years I have devoted much time to collecting. Considerable dredging has been done, but not below 25 fathoms. The most careful searching has been done at Eastport, Wiscasset, Casco Bay and Old Orchard, Maine, and Wood's Holl, Mass. Other places have had some visits. This area contains perhaps 250 shell-bearing mollusca; of these I have 200 and lack 50. Of the 200 found by me, 113 species I have only for my own cabinet, 12 more I have spared for exchange perhaps once, and 20 more have yielded a few exchanges. This leaves 55 species that I have had in quantity.

Let me add notes on the fifty-five: *Litorina*, *Nassa*, *Ilyanassa*, *Mytilus*, *Mya*, *Tottenia*, and a few others are general in distribution. Many others are limited, as follows: *Ostrea*, *Venus*, *Urosalpinx*, *Bittium*, *Sycotypus*, etc., common south of Cape Cod, but rare or wanting to the north. Again, *Buccinum*, *Lunatia*, *Cyprina*, and others should be sought in Maine. Many shells are found abundantly in limited portions of the coast. *Acmaea testudinalis*, common at Eastport, is scarce even in other parts of Maine. *Chiton albus* and *marmoreus*, with *Margarita groenlandica*, must be gathered at extreme tides in the Bay of Fundy. To be sure they occur elsewhere, but they are small and not abundant. The harvest season for *Lunatia* and *Cyprina* is after certain storms at Old Orchard. Sometimes these occur once or twice in a winter, or a year or more may pass without the harvest, but when they roll in they are very abundant. Dredging has an element of luck. One haul in the Penobscot Bay gave *Nucula proxima* enough for some years of exchanging. *Pecten magellanicus* is abundant in small areas, but it is easy to miss the spot. Another fact is the best region. *Buccinum* is common at Eastport, but small. The finest specimens are from Casco Bay. Yet other things, like Limpets and Chitons are at their best in Fundy waters.

The New England shells are very much in demand, but the lack of stock compels one to send frequent regrets. There is an amusing side to the work. One well-disposed friend asked for a dozen *Pecten islandicus;* I never saw a dozen. Prof. Verrill tells me that the government dredgings only yielded three or four in a summer.

It must be understood by the readers of this article that I speak of my own experience. Some forms that have not been found abundantly by me may be found in quantities at times, yet I think one may form an estimate of the difficulties we meet in New England.

NOTES ON THE GIANT LIMAS.

BY WILLIAM HEALEY DALL.

The reception of a specimen of *Lima goliath* Sowerby (1883) the other day led to comparisons of and annotations on the great deep-water species. The dean of this assembly is the well-known *Lima*